

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"5467722".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/17 17:12
L2	15	"5220796"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/17 17:13
L3	2	"5220796".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/17 17:13
L4	0	"20000244543"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/17 17:14
L5	4	"2000024454"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/17 17:14
L6	10	((YOSHIO) near2 (HIRANO)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/17 17:21
L7	2	((KENJI) near2 (HIKINO)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/17 17:21
L8	2	((MITSUGU) near2 (KAKUTANI)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/17 17:21
L9	20	((YOSHIO) near2 (SEIKI)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/17 17:21
L10	2	((SUSUMU) near2 (TSUNEOKA)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/17 17:21

L13	64	(95/183 or 95/195 or 95/105 or 95/290). ccls. and (LNG or liquef \$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/17 17:37
L14	6	(95/183 or 95/195 or 95/105 or 95/290). ccls. and (LNG or liquef \$4 adj natural adj gas)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/17 17:37
L15	47	(95/183 or 95/195 or 95/105 or 95/290). ccls. and remov\$3 near2 moisture	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/17 17:37
L16	87	(95/183 or 95/195 or 95/105 or 95/290). ccls. and (coolant or refrigerant)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/17 17:38
S3	4	("3855976").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/09/22 14:08
S4	17	(air filter arrangement). ti.	USPAT	ADJ	ON	2009/09/22 16:46
S5	967	55/385.3.ccls.	USPAT	ADJ	ON	2009/09/24 09:31
S6	1342	55/385.3.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/24 09:31
S7	75	(55/283.ccls. or 55/380.1.ccls. or 123/41.62.ccls) and combustion adj engine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/24 09:34
S8	68	(55/283.ccls. or 55/380.1.ccls. or 123/41.62.ccls) and internal adj combustion adj engine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/24 09:34
S9	33457	internal near3 (combustion and engine) same (filter or mesh or diaphragm or membrane)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/24 09:35

S10	14387	S9 and (cowling or cover or top)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/24 09:36
S11	10887	S10 and (fan or air or cool\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/24 09:36
S12	162	S11 and (self-clean\$4 or self clean\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/09/24 09:38
S13	15605	(remov\$2 near2 moisture or nitrogen or water or N2 or "N. sub.2" or H2O or "H. sub.20") with exhaust adj gas	USPAT	ADJ	ON	2009/12/09 11:49
S14	15605	S13	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 11:49
S15	26529	(remov\$2 near2 moisture or nitrogen or water or N2 or "N. sub.2" or H2O or "H. sub.20") with exhaust adj gas	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 11:50
S16	10	S15 same (coolant and cooling adj tower or dehydration adj tower)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 11:50
S17	33452	(remov\$2 near2 moisture or nitrogen or water or N2 or "N. sub.2" or H2O or "H. sub.20") with (exhaust or combustion) adj gas	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 11:54
S18	11	S17 same (coolant and cooling adj tower or dehydration adj tower)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 11:55
S19	27	S17 same (coolant and tower)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 11:58
S20	1245	S17 same (coolant)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 12:00
S21	3	S17 same (coolant and LNG)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 12:00

S22	338	LNG and coolant and (wast or combustion or exhaust)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 12:02
S23	370	LNG and coolant and (waste or combustion or exhaust)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 12:02
S24	269	LNG and coolant and (waste or combustion or exhaust) and remov \$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 12:03
S25	293	LNG and coolant and (waste or combustion or exhaust) and (nitrogen or moisture or water or H2O or N2)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 12:03
S26	146	LNG and coolant and (waste or combustion or exhaust) and (nitrogen or N2 or "N. sub.2") and (moisture or water or H2O or "H. sub.2O")	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 12:04
S27	144	LNG and coolant and (waste or combustion or exhaust) and (nitrogen or N2 or "N. sub.2") and (moisture or water or H2O or "H. sub.2O") and gas	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 12:04
S28	70	LNG and coolant and (waste or combustion or exhaust) and (nitrogen or N2 or "N. sub.2") and (moisture or water or H2O or "H. sub.2O") and gas and (tower or column)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 12:05
S29	6131	treat\$4 near2 (waste or combustion or exhaust) adj gas	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 12:11
S30	0	S29 and colant	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 12:11
S31	1190	((treat\$4 or purif\$7) near2 (waste or combustion or exhaust) adj gas).ti.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 12:12
S32	44	S31 and coolant	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 12:12
S33	34	S31 and coolant and separat\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 12:12

S34	17	S31 and coolant and separat\$3 and (CO2 or "CO.sub.2" or carbon adj dioxide) and (moistue or water or steam or H2O)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 12:13
S35	2	(coolant or refrigerant) with (methabol or ethanol or toluens or ethyl adj benzene) and (waste or combustion or exhaust) near2 gas and remov\$3 adj moisture	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 15:33
S36	244	(coolant or refrigerant) with (methanol or ethanol or toluene or ethyl adj benzene) and (waste or combustion or exhaust) near2 gas	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 15:33
S37	84	(coolant or refrigerant) with (methanol or ethanol or toluene or ethyl adj benzene) and (waste or combustion or exhaust) near2 gas and carbon adj dioxide	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 15:34
S38	15	(coolant or refrigerant) with (methanol or ethanol or toluene or ethyl adj benzene) and (waste or combustion or exhaust) near2 gas and (remov\$3 near2 carbon adj dioxide)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 15:34
S39	1	(treat\$4 near3 gas\$4). ti. and (coolant or refrigerant) with (methanol or ethanol or toluene or ethyl adj benzene)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 15:37
S40	17	remov\$3 adj moisture and (coolant or refrigerant) with (methanol or ethanol or toluene or ethyl adj benzene)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 15:40

S41	0	remov\$3 adj nitrogen adj oxide and (coolant or refrigerant) with (methanol or ethanol or toluene or ethyl adj benzene)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 15:43
S42	206	remov\$3 adj nitrogen adj oxide and (coolant or refrigerant)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 15:43
S43	203	remov\$3 adj nitrogen adj oxide and (coolant or refrigerant) and (waste or combustion or exhaust)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 15:44
S44	186	remov\$3 adj nitrogen adj oxide and (coolant or refrigerant) and (waste or combustion or exhaust) near2 gas \$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 15:44
S45	1	remov\$3 adj nitrogen adj oxide and (coolant or refrigerant) and (waste or combustion or exhaust) near2 gas \$4 and LNG	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 15:44
S46	122	remov\$3 adj nitrogen adj oxide and (coolant or refrigerant) and (waste or combustion or exhaust) near2 gas \$4 and natural adj gas	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 15:45
S47	0	remov\$3 adj nitrogen adj oxide and (coolant or refrigerant) and (waste or combustion or exhaust) near2 gas \$4 and natural adj gas and carbon adj dioxide	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 15:45
S48	112	remov\$3 adj nitrogen adj oxide and (coolant or refrigerant) and (waste or combustion or exhaust) near2 gas \$4 and natural adj gas and carbon adj dioxide	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/09 15:45

S49	38	cleaning near2 filer	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/10 08:45
S50	5	cleaning near2 filer and substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/10 08:46
S51	61	((NOBUAKI) near2 (MATSUOKA)).INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/10 08:48
S52	1	((NOBUAKI) near2 (MATSUOKA)).INV. and filer	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/10 08:50
S53	52	((NOBUAKI) near2 (MATSUOKA)).INV. and substrate	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/10 08:51
S55	6	((NOBUAKI) near2 (MATSUOKA)).INV. and substrate and clean and power	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/10 08:51
S56	32	((NOBUAKI) near2 (MATSUOKA)).INV. and substrate and clean	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/12/10 10:52

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